

CLAIMS

I claim:

1. A dialysis machine for performing kidney dialysis comprising:
 - an enclosure having a removable base;
 - a front panel having associated a plurality of connectors, a plurality of smart function keys, a touch panel element and a voice activated sensor;
 - said front panel in communication with an electronic circuit element having a controller in communication therewith;
 - a blood flow element including a hydraulic flow element; and
 - a water reservoir and a power supply.
2. The dialysis machine as in claim 1 wherein said electronic board element further comprising:
 - a processor module in communication with a data acquisition module; and
 - said data acquisition module in communication with an interface module.
3. The dialysis machine as in claim 1 wherein said electronic board element further comprising a video module in communication with said touch panel element, a laboratory display, an ECG display and a pulse display.
4. The dialysis machine as in claim 1 wherein said plurality of connectors comprise a blood pressure device input, an ECG device input and a pulse device input.
5. The dialysis machine as in claim 1 wherein said blood flow

element comprising:

- a blood pump and a dialyzer;
- an arterial chamber having a transducer and a venous chamber having a venous transducer;
- a port; and
- said blood flow element in communication with said electronic board element and connectable to a patient blood flow system.

6. A dialysis machine for performing kidney dialysis comprising:
- a blood flow element in communication with an electronic circuit element and a touch panel element; and
 - said blood flow element comprising:
 - a serial blood flow path;
 - a blood pump and a dialyzer;
 - an arterial chamber having a transducer and a venous chamber having a venous transducer; and
 - a port and said blood flow element connectable to a patient blood flow system.